Comparative statement

Government of Karnataka

Form No. PWG-45

Estimate Amount: 71.00 Lakhs

BBMP. RR Nagar Division

Name of Work: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17

Sl	Description of Item	Unit	As per Sanction Estimate		As per Tender		Total Executed Qty	up to 125%			Above 125% more than under Qty			Total Amount	Amount		Remarks
			Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount		Excess	Savings	
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earthwork excavation by manual means in ordinay soil for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS	Cum	56436.79	161.71	349.00	56436.79	199.65	199.65	349.00	69677.85	0.00	348.00	0.00	69678.00	13241.21	0.00	
2	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS 3.2.6 / 3.2.7	Sqm	6450.48	52.02	124.00	6450.48	363.00	65.03	124.00	8063.10	297.98	124.00	36948.90	45012.00	38561.52	0.00	
3	Providing and Filling in foundation with granite / trap broken metal 100mm and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications	Cum	59500.32	21.01	2832.00	59500.32	33.00	26.26	2832.00	74375.40	6.74	2831.00	19073.86	93450.00	33949.68	0.00	
4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications Specification No. KBS 4.1, 4.2	Cum	125883.45	20.79	6055.00	125883.45	43.61	25.99	6055.00	157354.31	17.62	6584.00	116005.97	273361.00	147477.55	0.00	
5	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications	Cum	286224.36	53.42	5358.00	286224.36	118.80	66.78	5358.00	357780.45	52.03	5555.00	288998.88	646780.00	360555.64	0.00	
6	KSRB 4-1.1 Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	20534.32	3.34	6148.00	20534.32	14.85	4.18	6148.00	25667.90	10.68	6736.00	71906.80	97575.00	77040.68	0.00	

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7	Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum with super plasticisers @ 3 liters confirming to IS 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1.4.2	Cum	271378.80	40.05	6776.00	271378.80	0.00	0.00	6776.00	0.00	0.00	0.00	0.00	0.00	0.00	271378.80
8	Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs. with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum with superplastisiser @ltrs confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or facing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1.4.6----------For Ground Floor	Cum	247032.40	35.05	7048.00	247032.40	84.32	43.81	7048.00	308790.50	40.51	7594.00	307644.33	616435.00	369402.60	0.00
9	For First Floor	Cum	127447.04	17.92	7112.00	127447.04	0.00	0.00	7112.00	0.00	0.00	0.00	0.00	0.00	0.00	127447.04
10	For Second Floor	Cum	51674.40	7.20	7177.00	51674.40	0.00	0.00	7177.00	0.00	0.00	0.00	0.00	0.00	0.00	51674.40
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	36104.95	119.95	301.00	36104.95	0.00	0.00	301.00	0.00	0.00	0.00	0.00	0.00	0.00	36104.95
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sqm	79709.10	159.10	501.00	79709.10	0.00	0.00	501.00	0.00	0.00	0.00	0.00	0.00	0.00	79709.10
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	97678.60	287.29	340.00	97678.60	337.35	337.35	340.00	114699.00	0.00	340.00	0.00	114699.00	17020.40	0.00
14	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications for heights more than 3.50m from ground level. - 0 to 5 mtrs. Specification No. KBS 4.6.2	Sqm	67383.60	144.60	466.00	67383.60	306.53	180.75	466.00	84229.50	125.78	466.00	58611.15	142841.00	75457.40	0.00
15	Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification	Sqm	16288.80	18.51	880.00	16288.80	0.00	0.00	880.00	0.00	0.00	0.00	0.00	0.00	0.00	16288.80
16	KSRB 4-6.11 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaton. Specification No. KBS 4.6.2	Sqm	14253.12	23.52	606.00	14253.12	0.00	0.00	606.00	0.00	0.00	0.00	0.00	0.00	0.00	14253.12
17	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs. with 12mm and down size graded granite metal coarse aggregates @0.5175cum and fine aggregates @ 0.345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour,HOM of machinery, finishing, curing, complete as per specifications----------For Ground Floor	Sqm	2954.88	5.76	513.00	2954.88	0.00	0.00	513.00	0.00	0.00	0.00	0.00	0.00	0.00	2954.88
18	For First Floor	Sqm	1491.84	2.88	518.00	1491.84	0.00	0.00	518.00	0.00	0.00	0.00	0.00	0.00	0.00	1491.84
19	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels e tc., including edges including cost of all materials, labour complete as per specificaitons.	Sqm	3257.28	8.64	377.00	3257.28	0.00	0.00	377.00	0.00	0.00	0.00	0.00	0.00	0.00	3257.28
20	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 550----------Ground Floor	Tonne	1032230.57	11.27	91591.00	1032230.57	6.73	6.73	91591.00	616315.84	0.00	0.00	0.00	616316.00	0.00	41591.57

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		Tonn	248553.31	2.69	92399.00	248553.31	0.00	0.00	92399.00	0.00	0.00	0.00			0.00	0.00	248553.31
		Tonn	80157.16	0.86	93206.00	80157.16	0.00	0.00	93206.00	0.00	0.00	0.00			0.00	0.00	80157.16
21	First Floor																					
22	Second Floor																					
23	KSRB 2.3 Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5 m including cost of all labour complete as per specifications Specification No. KBS 2 9	Cum	28468.44	121.66	234.00	28468.44	80.85	80.85	234.00	18918.90	0.00	0.00			18919.00	0.00	9549.44
24	Lead for disposal of earth shall be payable including loading and unloading up to 13.25kms	Cum	3924.90	40.05	98.00	3924.90	118.80	50.06	98.00	4906.13	68.74	98.00			11643.00	7718.10	0.00
25	Providing and constructing load bearing wall with solid concrete blocks size 400x150x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1) 2005 and constructed with CM 1:4, as per IS 2572 2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications	Sqm	108626.22	100.86	1077.00	108626.22	0.00	0.00	1077.00	0.00	0.00	0.00			0.00	0.00	108626.22
26	First Floor	Sqm	78785.90	70.66	1115.00	78785.90	0.00	0.00	1115.00	0.00	0.00	0.00			0.00	0.00	78785.90
27	Second Floor	Sqm	24985.51	21.67	1153.00	24985.51	0.00	0.00	1153.00	0.00	0.00	0.00			0.00	0.00	24985.51
28	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1) 2005 and constructed with CM 1:4, as per IS 2572 2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per	Sqm	24860.88	26.28	946.00	24860.88	0.00	0.00	946.00	0.00	0.00	0.00			0.00	0.00	24860.88
29	First Floor	Sqm	33559.62	34.14	983.00	33559.62	0.00	0.00	983.00	0.00	0.00	0.00			0.00	0.00	33559.62
30	Second Floor	Sqm	27383.22	26.82	1021.00	27383.22	0.00	0.00	1021.00	0.00	0.00	0.00			0.00	0.00	27383.22
31	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification ————	Sqm	18938.88	69.12	274.00	18938.88	264.84	86.40	274.00	23673.60	178.44	287.00	5213.36	74857.00	55948.12	0.00	
32	First Floor	Sqm	10393.60	37.12	280.00	10393.60	0.00	0.00	280.00	0.00	0.00	0.00			0.00	0.00	10393.60
33	Second Floor	Sqm	4660.88	16.24	287.00	4660.88	0.00	0.00	287.00	0.00	0.00	0.00			0.00	0.00	4660.88
34	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.————	Sqm	2557.44	69.12	37.00	2557.44	306.53	86.40	37.00	3196.80	220.13	37.00	8144.63	11342.00	8784.56	0.00	
35	First Floor	Sqm	1633.28	37.12	44.00	1633.28	0.00	0.00	44.00	0.00	0.00	0.00			0.00	0.00	1633.28
36	Second Floor	Sqm	812.00	16.24	50.00	812.00	0.00	0.00	50.00	0.00	0.00	0.00			0.00	0.00	812.00
37	Providing 15mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications ————Ground	Sqm	38935.26	142.62	273.00	38935.26	764.01	178.28	273.00	48669.08	585.74	290.00	169863.15	218533.00	179597.74	0.00	
38	First Floor	Sqm	41105.07	147.33	279.00	41105.07	0.00	0.00	279.00	0.00	0.00	0.00			0.00	0.00	41105.07
39	Second Floor	Sqm	8791.64	30.74	286.00	8791.64	0.00	0.00	286.00	0.00	0.00	0.00			0.00	0.00	8791.64
40	Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications ————Ground	Sqm	44706.48	138.84	322.00	44706.48	509.58	173.55	322.00	55883.10	336.03	341.00	114586.23	170470.00	125763.52	0.00	
41	First Floor	Sqm	56470.95	168.57	335.00	56470.95	0.00	0.00	335.00	0.00	0.00	0.00			0.00	0.00	56470.95
42	Second Floor	Sqm	50675.76	145.62	348.00	50675.76	0.00	0.00	348.00	0.00	0.00	0.00			0.00	0.00	50675.76
43	KSRB15.5 Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications ————	Sqm	16290.24	68.16	239.00	16290.24	0.00	0.00	239.00	0.00	0.00	0.00			0.00	0.00	16290.24
44	First Floor	Sqm	8312.85	33.93	245.00	8312.85	0.00	0.00	245.00	0.00	0.00	0.00			0.00	0.00	8312.85
45	Extra for providing and mixing waterproofing compound in cement plaster for brick masonry work at one kg per bag or in the proportion recommended by the manufacturers for cement mortar 1:3, 20mm thick cost of materials complete as per specifications.————Ground Floor	Sqm	1943.76	138.84	14.00	1943.76	509.58	173.55	14.00	2429.70	336.03	14.00	4704.42	7135.00	5191.24	0.00	
46	First Floor	Sqm	4551.39	168.57	27.00	4551.39	0.00	0.00	27.00	0.00	0.00	0.00			0.00	0.00	4551.39
47	Second Floor	Sqm	5824.80	145.62	40.00	5824.80	0.00	0.00	40.00	0.00	0.00	0.00			0.00	0.00	5824.80
48	KSRB 15.10.3 Providing white washing to ceiling and / or sloping roof surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications	Sqm	1837.20	122.48	15.00	1837.20	264.84	153.10	15.00	2296.50	111.74	15.00	1676.16	3973.00	2135.80	0.00	
49	KSRB 15.10.1 Providing white washing to new wall surface in two coats with lime of approved quality to give an even shade including cost of materials, labour, complete as per specifications	Sqm	4489.80	320.70	14.00	4489.80	764.01	400.88	14.00	5612.25	363.14	14.00	5083.89	10697.00	6207.20	0.00	

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50	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc , complete as per the specification.	Sqm	40329.38	443.18	91.00	40329.38	1028.85	553.98	91.00	50411.73	474.88	91.00	43213.97	93626.00	53296.62	0.00			
51	Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications	Sqm	46533.90	443.18	105.00	46533.90	1028.85	553.98	105.00	58167.38	474.88	105.00	49862.27	108030.00	61496.10	0.00			
52	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications ----------Ground Floor	Sqm	29156.40	138.84	210.00	29156.40	509.58	173.55	210.00	36445.50	336.03	119.00	39987.57	76434.00	47277.60	0.00			
53	First Floor	Sqm	36748.26	168.57	218.00	36748.26	0.00	0.00	218.00	0.00	0.00	0.00	0.00	0.00	0.00	36748.26			
54	Second Floor	Sqm	33055.74	145.62	227.00	33055.74	0.00	0.00	227.00	0.00	0.00	0.00	0.00	0.00	0.00	33055.74			
55	Providing and laying flooring using prepolished, gang saw water cut 19mm thick granite using silver grey granite / Multy Red / Ruby Red / Black / Hassan Green / River Pink Granite of width not less than 1200mm laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications ----------	Sqm	158543.28	59.76	2653.00	158543.28	188.57	74.70	2653.00	198179.10	113.87	3192.00	363469.05	561649.00	403105.72	0.00			
56	First Floor	Sqm	86160.64	32.44	2656.00	86160.64	0.00	0.00	2656.00	0.00	0.00	0.00	0.00	0.00	0.00	86160.64			
57	Providing and laying pattern flooring for staircase treads and risers using the combination of 20mm thick ruby red granite @ 66%,20 mm thick grey granite @ 20%, 20mm thick, 20mm thick black granite 14%. The granite materials are laid with a bed of CM 1:3, 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide including cost of all materials, mortar, labour, curing etc., complete as per specification ----------Ground Floor	Sqm	119839.38	14.34	8357.00	119839.38	0.00	0.00	8357.00	0.00	0.00	0.00	0.00	0.00	0.00	119839.38			
58	First Floor	Sqm	119868.06	14.34	8359.00	119868.06	0.00	0.00	8359.00	0.00	0.00	0.00	0.00	0.00	0.00	119868.06			
59	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape, pattern with paper joints, finished with cement mortal using white cement and colour pigments to match the colour of slab making through jointing with sealant, making holes 25mmx12mm grooves in joints including cost of all materials, mortar, labour, curing etc., complete as per	Sqm	281432.64	68.16	4129.00	281432.64	0.00	0.00	4129.00	0.00	0.00	0.00	0.00	0.00	0.00	281432.64			
60	First Floor	Sqm	65988.04	15.97	4132.00	65988.04	0.00	0.00	4132.00	0.00	0.00	0.00	0.00	0.00	0.00	65988.04			
61	Providing and fixing for flooring 40mm thick sadarhalli grey flammed granite slab for bath areas in Bathrooms over a bed of 25mm thick CM 1:6 and fixing granite slab with CM 1:3 ----------Ground Floor	Sqm	20011.68	9.36	2138.00	20011.68	0.00	0.00	2138.00	0.00	0.00	0.00	0.00	0.00	0.00	20011.68			
62	First Floor	Sqm	10015.20	4.68	2140.00	10015.20	0.00	0.00	2140.00	0.00	0.00	0.00	0.00	0.00	0.00	10015.20			
63	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications Colour glazed tiles 30x60 cms 6mm thick with border of	Sqm	27098.72	14.24	1903.00	27098.72	22.80	17.80	1903.00	33873.40	5.00	1902.00	9510.00	43384.00	16285.28	0.00			
64	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications ----------	Sqm	131274.00	18.70	7020.00	131274.00	0.00	0.00	7020.00	0.00	0.00	0.00	0.00	0.00	0.00	131274.00			
65	First Floor	Sqm	49182.00	7.00	7026.00	49182.00	0.00	0.00	7026.00	0.00	0.00	0.00	0.00	0.00	0.00	49182.00			

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77	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per	Sqm	993.60	20.70	48.00	993.60	19.95	19.95	48.00	957.60	0.00	0.00	0.00	958.00	0.00	35.60
78	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	2297.70	20.70	111.00	2297.70	19.95	19.95	111.00	2214.45	0.00	0.00	0.00	2215.00	0.00	82.70
79	Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.	Sqm	584.64	10.08	58.00	584.64	0.00	0.00	58.00	0.00	0.00	0.00	0.00	0.00	0.00	584.64
80	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour,	Sqm	1139.04	10.08	113.00	1139.04	0.00	0.00	113.00	0.00	0.00	0.00	0.00	0.00	0.00	1139.04
81	0220Locking Arrangement	Each	15470.00	26.00	595.00	15470.00	0.00	0.00	595.00	0.00	0.00	0.00	0.00	0.00	0.00	15470.00
82	0178 Handles powder coated 150mm	Each	2860.00	52.00	55.00	2860.00	0.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	2860.00
83	0188 Hinges 5" heavy duty	Each	5304.00	156.00	34.00	5304.00	0.00	0.00	34.00	0.00	0.00	0.00	0.00	0.00	0.00	5304.00
84	0189 Hold fasts MS	Each	1820.00	52.00	35.00	1820.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	1820.00
85	0427 Tower bolt 300 mm long	Each	17160.00	156.00	110.00	17160.00	0.00	0.00	110.00	0.00	0.00	0.00	0.00	0.00	0.00	17160.00
86	0540 Screws	Nos	3744.00	936.00	4.00	3744.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	3744.00
87	Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete (External work and Burried) ----------25mm dia	Mtrs	48070.00	230.00	209.00	48070.00	0.00	0.00	209.00	0.00	0.00	0.00	0.00	0.00	0.00	48070.00
88	32mm dia	Mtrs	65750.00	250.00	263.00	65750.00	0.00	0.00	263.00	0.00	0.00	0.00	0.00	0.00	0.00	65750.00
89	40mm dia	Mtrs	61200.00	180.00	340.00	61200.00	0.00	0.00	340.00	0.00	0.00	0.00	0.00	0.00	0.00	61200.00
90	Providing and fixing water meter with stop cock, jam nut, socket in G.I pipe line including cutting and threading the pipe and making long screws including cost of all materials, labour , HOM of equipments and testing complete as per specifications.	Set	6156.00	4.00	1539.00	6156.00	0.00	0.00	1539.00	0.00	0.00	0.00	0.00	0.00	0.00	6156.00
91	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per	Each	2990.00	5.00	598.00	2990.00	0.00	0.00	598.00	0.00	0.00	0.00	0.00	0.00	0.00	2990.00
92	Providing and fixing in position brass Gate valve with CI wheel of approved quality (screwed end) below nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification.----------a. 32mm dia.	Nos	2392.00	4.00	598.00 (968.00)	2392.00	0.00	0.00	598.00	0.00	0.00	0.00	0.00	0.00	0.00	2392.00
93	b. 40mm dia.	Nos	4848.00	4.00	1212.00	4848.00	0.00	0.00	1212.00	0.00	0.00	0.00	0.00	0.00	0.00	4848.00
94	KSRB13-7.1-3 : Providing and fixing in position 40mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specification No KBS 13.2.10 / 13.13 KSRB13-7.1-3 - do - 40 mm dia nominal bore	Each	5520.00	5.00	1104.00	5520.00	0.00	0.00	1104.00	0.00	0.00	0.00	0.00	0.00	0.00	5520.00
95	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications Specification No KBS 11	Pan	12264.00	3.00	4088.00	12264.00	0.00	0.00	4088.00	0.00	0.00	0.00	0.00	0.00	0.00	12264.00
96	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, CP brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Each	17334.00	3.00	5778.00	17334.00	0.00	0.00	5778.00	0.00	0.00	0.00	0.00	0.00	0.00	17334.00

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	Providing and fixing white vitreous china clay angle back wash basin size 600X480mm with a single 15mm C P brass pillar tap with C I / M S brackets 32 mm C P brass waste of standard pattern painting of fittings and brackets cutting and making good the wall and floor wherever required including cost of materials labour complete as per specifications	Unit	11499.00	3.00	3833.00	11499.00	0.00	0.00	3833.00	0.00	0.00	0.00	0.00	0.00	11499.00
98	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications Specification No KBS 13 2 2 / 13 3	Each	2220.00	10.00	222.00	2220.00	0.00	0.00	222.00	0.00	0.00	0.00	0.00	0.00	2220.00
99	Providing and fixing C P brass towel rail 740mm length, 20mm dia with C P brackets fixed to wooden cleats with C P brass screws including cost of materials, labour complete as per specifications	Unit	5172.00	6.00	862.00	5172.00	0.00	0.00	862.00	0.00	0.00	0.00	0.00	0.00	5172.00
100	Providing and fixing chorinated poly vinyl Chloride (CPVC) 15mm nominal OD pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete (Concealed work including cutting chases and making	Mtrs	72000.00	300.00	240.00	72000.00	0.00	0.00	240.00	0.00	0.00	0.00	0.00	0.00	72000.00
101	Providing and fixing chorinated poly vinyl Chloride (CPVC) 20mm nominal OD pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete (Concealed work including cutting chases and making	Mtrs	68500.00	250.00	274.00	68500.00	0.00	0.00	274.00	0.00	0.00	0.00	0.00	0.00	68500.00
102	Providing and fixing chorinated poly vinyl Chloride (CPVC) 25mm nominal OD pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete (Concealed work including cutting chases and making	Mtrs	102600.00	300.00	342.00	102600.00	0.00	0.00	342.00	0.00	0.00	0.00	0.00	0.00	102600.00
103	Providing and fixing in position brass gate valve with C I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials labour and HOM with all leads complete as per specifications Specification No KBS 13 2 6 / 13 3	Each	1046.00	2.00	523.00	1046.00	0.00	0.00	523.00	0.00	0.00	0.00	0.00	0.00	1046.00
104	Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications Specification No KBS 13 2 2 / 13 3	Each	328.00	2.00	164.00	328.00	0.00	0.00	164.00	0.00	0.00	0.00	0.00	0.00	328.00
105	Providing and fixing to wall, ceiling and floor medium density polyethylene pipes 6.00 kgs/sq cm working pressure of outside diameter with special flange compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications Specification No KBS 13 2 15 1 / 13 9 for internal water supply connection 40mm dia	Mtrs	21280.00	80.00	266.00	21280.00	0.00	0.00	266.00	0.00	0.00	0.00	0.00	0.00	21280.00
106	Providing and fixing to wall, ceiling and floor medium density polyethylene pipes 6.00 kgs sq cm working pressure of outside diameter with special flange compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications Specification No KBS 13 2 15 1 / 13 9 for internal water supply connection 75mm dia	Mtrs	19000.00	50.00	380.00	19000.00	0.00	0.00	380.00	0.00	0.00	0.00	0.00	0.00	19000.00
107	Providing and fixing to wall, ceiling and floor medium density polyethylene pipes 6.00 kgs sq cm working pressure of outside diameter with special flange compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications Specification No KBS 13 2 15 1 / 13 9 for internal water supply connection 110mm dia	Mtrs	26250.00	50.00	525.00	26250.00	0.00	0.00	525.00	0.00	0.00	0.00	0.00	0.00	26250.00

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108	Constructing brick masonry inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 C I cover withframe (light duty) internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R C C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications Specification No KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 C I cover with frame (light duty)	Nos	19796.00	2.00	9898.00	19796.00	0.00	0.00	9898.00	0.00	0.00	0.00	0.00	0.00	0.00	19796.00
109	Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc , and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary----- 19/20mm dia 2mm thick.	Mtrs	17200.00	400.00	43.00	17200.00	0.00	0.00	43.00	0.00	0.00	0.00	0.00	0.00	0.00	17200.00
110	25mm dia 2mm thick	Mtrs	14250.00	250.00	57.00	14250.00	450.00	312.50	57.00	17812.50	137.50	62.00	8525.00	26338.00	12088.00	0.00
111	32mm dia 2 5mm thick	Mtrs	13500.00	150.00	90.00	13500.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	13500.00
112	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ....dia .... mm thick with suitable size bends, metal junction boxes adhesive paste etc , by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary ----------19/20mm dia 2mm thick	Mtrs	9900.00	180.00	55.00	9900.00	0.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	9900.00
113	25mm dia 2mm thick	Mtrs	5800.00	100.00	58.00	5800.00	450.00	125.00	58.00	7250.00	325.00	63.00	20475.00	27725.00	21925.00	0.00
114	32mm dia 2 5mm thick	Mtrs	8700.00	100.00	87.00	8700.00	0.00	0.00	87.00	0.00	0.00	0.00	0.00	0.00	0.00	8700.00
115	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete ----------upto 50mm conduit in brick wall	Mtrs	1840.00	80.00	23.00	1840.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	1840.00
116	upto 50mm conduit CC floor	Mtrs	2050.00	50.00	41.00	2050.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00	0.00	0.00	2050.00
117	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc as required 25mm	Mtrs	6500.00	250.00	26.00	6500.00	0.00	0.00	26.00	0.00	0.00	0.00	0.00	0.00	0.00	6500.00
118	Supplying And Fixing Metal Fan Box with Round Hook	Nos	1840.00	20.00	92.00	1840.00	0.00	0.00	92.00	0.00	0.00	0.00	0.00	0.00	0.00	1840.00
119	Point wiring using Copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A---------- Short point upto 3Mtr from tapping point to out let via switch	point	3460.00	20.00	173.00	3460.00	30.00	25.00	173.00	4325.00	5.00	233.00	1165.00	5490.00	2030.00	0.00
120	Medium point above 3M upto 6M from tapping point to out let via switch	point	4050.00	15.00	270.00	4050.00	0.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	4050.00
121	Long point above 6Mtr. upto 10M from tapping point to out let via switch	point	4050.00	10.00	405.00	4050.00	0.00	0.00	405.00	0.00	0.00	0.00	0.00	0.00	0.00	4050.00
122	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches	point	12825.00	25.00	513.00	12825.00	0.00	0.00	513.00	0.00	0.00	0.00	0.00	0.00	0.00	12825.00
123	Three outlet in a row, above 6Mtr upto 10Mtr from tapping point to out let via switches	point	18225.00	25.00	729.00	18225.00	0.00	0.00	729.00	0.00	0.00	0.00	0.00	0.00	0.00	18225.00
124	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments ----------1.5 sqmm	Mtrs	22000.00	1000.00	22.00	22000.00	0.00	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	22000.00
125	2.5 sqmm	Mtrs	70000.00	2000.00	35.00	70000.00	900.00	900.00	35.00	31500.00	0.00	0.00	0.00	31500.00	0.00	38500.00
126	4 sqmm	Mtrs	48000.00	1000.00	48.00	48000.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	48000.00
127	6 sqmm	Mtrs	37500.00	500.00	75.00	37500.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	37500.00
128	10 sqmm	Mtrs	24800.00	200.00	124.00	24800.00	0.00	0.00	124.00	0.00	0.00	0.00	0.00	0.00	0.00	24800.00
129	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/CC wall----------1-	Nos	2575.00	25.00	103.00	2575.00	30.00	30.00	103.00	3090.00	0.00	0.00	0.00	3090.00	515.00	0.00
130	4/5Way	Nos	2260.00	20.00	113.00	2260.00	0.00	0.00	113.00	0.00	0.00	0.00	0.00	0.00	0.00	2260.00
131	6Way	Nos	3375.00	25.00	135.00	3375.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	0.00	3375.00
132	8Way	Nos	2355.00	15.00	157.00	2355.00	0.00	0.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	2355.00
133	10/12Way	Nos	1424.00	8.00	178.00	1424.00	0.00	0.00	178.00	0.00	0.00	0.00	0.00	0.00	0.00	1424.00

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134	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos of machine screws, bolts nuts etc., complete on the existing metal/PVC box ----------1 to 3 Module	Nos	1190.00	10.00	119.00	1190.00	30.00	12.50	119.00	1487.50	17.50	128.00	3728.00	2558.00	0.00		
135	4 Module	Nos	1350.00	10.00	135.00	1350.00	0.00	0.00	135.00	0.00	0.00	0.00	0.00	0.00	1350.00		
136	6 Module	Nos	1890.00	10.00	189.00	1890.00	0.00	0.00	189.00	0.00	0.00	0.00	0.00	0.00	1890.00		
137	8 Module	Nos	648.00	3.00	216.00	648.00	0.00	0.00	216.00	0.00	0.00	0.00	0.00	0.00	648.00		
138	12 Module	Nos	496.00	2.00	248.00	496.00	0.00	0.00	248.00	0.00	0.00	0.00	0.00	0.00	496.00		
139	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.----------6Amps	Nos	1520.00	20.00	76.00	1520.00	0.00	0.00	76.00	0.00	0.00	0.00	0.00	0.00	1520.00		
140	6Amps two way	Nos	1545.00	15.00	103.00	1545.00	0.00	0.00	103.00	0.00	0.00	0.00	0.00	0.00	1545.00		
141	6Amps 3way socket	Nos	565.00	5.00	113.00	565.00	30.00	6.25	113.00	0.00	0.00	0.00	0.00	0.00	565.00		
142	Stepped Fan Regulator	Nos	2504.00	8.00	313.00	2504.00	0.00	0.00	313.00	706.25	23.75	122.00	3604.00	3039.00	0.00		
143	16Amps one way switch	Nos	2480.00	20.00	124.00	2480.00	0.00	0.00	124.00	0.00	0.00	0.00	0.00	0.00	2504.00		
144	6/16Amps universal socket	Nos	2100.00	12.00	175.00	2100.00	0.00	0.00	175.00	0.00	0.00	0.00	0.00	0.00	2480.00		
145	Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab	Nos	3600.00	450.00	8.00	3600.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	2100.00		
146	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NI	Nos	711.00	3.00	237.00	711.00	0.00	0.00	237.00	0.00	0.00	0.00	0.00	0.00	3600.00		
147	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.	Nos	7875.00	25.00	315.00	7875.00	0.00	0.00	315.00	0.00	0.00	0.00	0.00	0.00	711.00		
148	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers	Nos	1225.00	5.00	245.00	1225.00	0.00	0.00	245.00	0.00	0.00	0.00	0.00	0.00	7875.00		
149	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply With all accessories(SM Enclosure Sheet Metal	Nos	5721.00	1.00	5721.00	5721.00	0.00	0.00	5721.00	0.00	0.00	0.00	0.00	0.00	1225.00		
150	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828 on wall / wood board / flush mounting using required clamps, bolts, nuts etc with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door withnecessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc , complete with a provision for fixing of single/three phase suitable capacity MCB/MCB's as outgoings confirming to IS8828	Nos	7557.00	1.00	7557.00	7557.00	0.00	0.00	7557.00	0.00	0.00	0.00	0.00	0.00	5721.00		
151	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 ----------6-	Nos	938.00	2.00	469.00	938.00	0.00	0.00	469.00	0.00	0.00	0.00	0.00	0.00	7557.00		
152	5-32 Amps DP Group'A'	Nos	1962.00	2.00	981.00	1962.00	30.00	2.50	981.00	2452.50	27.50	1059.00	29122.50	31575.00	29613.00	0.00	
153	6-32Amps TPN	Nos	1851.00	1.00	1851.00	1851.00	0.00	0.00	1851.00	0.00	0.00	0.00	0.00	0.00	0.00	938.00	
154	50-63 Amps TPN	Nos	2588.00	1.00	2588.00	2588.00	0.00	0.00	2588.00	0.00	0.00	0.00	0.00	0.00	0.00	1851.00	
155	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting Made out of 14 SWG MS enclosure II - Double Door----------12 way SPN	Nos	1943.00	1.00	1943.00	1943.00	0.00	0.00	1943.00	0.00	0.00	0.00	0.00	0.00	0.00	2588.00	
156	4 way TPN	Nos	2861.00	1.00	2861.00	2861.00	0.00	0.00	2861.00	0.00	0.00	0.00	0.00	0.00	0.00	1943.00	
157	6 way TPN	Nos	3595.00	1.00	3595.00	3595.00	0.00	0.00	3595.00	0.00	0.00	0.00	0.00	0.00	0.00	2861.00	
158	Supplying, fixing and wiring Residual current circuit breaker (RCCB) 240/450V up to 300mA sensitivity on existing wood/panel board----------	Nos	7988.00	2.00	3994.00	7988.00	0.00	0.00	3994.00	0.00	0.00	0.00	0.00	0.00	0.00	3595.00	
159	32 Amps 4 pole	Nos	4626.00	1.00	4626.00	4626.00	0.00	0.00	4626.00	0.00	0.00	0.00	0.00	0.00	0.00	7988.00	
160	Supplying fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/ manual reset facility suitable to mount on DIN	Nos	8312.00	1.00	8312.00	8312.00	0.00	0.00	8312.00	0.00	0.00	0.00	0.00	0.00	0.00	4626.00	
161	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter	Nos	2558.00	2.00	1279.00	2558.00	0.00	0.00	1279.00	0.00	0.00	0.00	0.00	0.00	0.00	8312.00	
162	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy	Nos	8366.00	1.00	8366.00	8366.00	0.00	0.00	8366.00	0.00	0.00	0.00	0.00	0.00	0.00	2558.00	
163	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer Class 0.5 accuracy with Tape Wound	Nos	1010.00	2.00	505.00	1010.00	0.00	0.00	505.00	0.00	0.00	0.00	0.00	0.00	0.00	8366.00	
164	Supplying, fixing and wiring Electronic Trivector Meter (LTV) 5 to 32/63 Amps three phase 4 wire whole current class 1 Accuracy Energy Meter	Nos	10244.00	2.00	5122.00	10244.00	0.00	0.00	5122.00	0.00	0.00	0.00	0.00	0.00	0.00	1010.00	
																10244.00	

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165	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Nos	1392.00	3.00	464.00	1392.00	0.00	0.00	464.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1392.00
166	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 3 phase, 400/440 volts grade for power factor improvement of rotating machineries like induction motor	Nos	2160.00	5.00	432.00	2160.00	0.00	0.00	432.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2160.00
167	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic FRP/ DMC insulator which are mounted on powder coated 40x6mm M.S flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts.	Mtrs	13278.00	6.00	2213.00	13278.00	0.00	0.00	2213.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13278.00
168	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint ----------40*40*6mm	Mtrs	1650.00	6.00	275.00	1650.00	0.00	0.00	275.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1650.00
169	50X100X50X6mm C channel 50*6mm	Mtrs	3400.00	5.00	680.00	3400.00	0.00	0.00	680.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3400.00
170	Fabricating supplying and mounting MS box made out 18SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal	Sqcm	18800.00	40000.00	0.47	18800.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18800.00
171	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long burned in a pit . The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall	Nos	9714.00	3.00	3238.00	9714.00	0.00	0.00	3238.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9714.00
172	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established	Nos	4480.00	1.00	4480.00	4480.00	0.00	0.00	4480.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4480.00
173	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip----------GI Strip.	Mtrs	324.00	4.00	81.00	324.00	0.00	0.00	81.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	324.00
174	Copper strip 25x3mm.	Mtrs	1635.00	3.00	545.00	1635.00	0.00	0.00	545.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1635.00
175	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, gutlas/spacers etc	Mtrs	2835.00	45.00	63.00	2835.00	0.00	0.00	63.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2835.00
176	Supplying of 1.1 KV 1.1 UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG 1.1 cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975	Mtrs	2910.00	15.00	194.00	2910.00	0.00	0.00	194.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2910.00
177	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct ----------25 sqmm to 75 sqmm	Mtrs	170.00	10.00	17.00	170.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170.00
178	On wall structure 25 sqmm to 75 sqmm	Mtrs	380.00	10.00	38.00	380.00	0.00	0.00	38.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	380.00
179	Digging of trench of 0.6m deep * 0.50mtr wide refiling the trench to the required ground level & consolidating etc., complete. (As per Civil SR	Mtrs	1650.00	15.00	110.00	1650.00	0.00	0.00	110.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1650.00
180	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable	Mtrs	1620.00	15.00	108.00	1620.00	0.00	0.00	108.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1620.00
181	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV	Mtrs	6110.00	10.00	611.00	6110.00	0.00	0.00	611.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6110.00
182	Supplying and fixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only)	Nos	2520.00	20.00	126.00	2520.00	0.00	0.00	126.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2520.00
183	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. ----------2.5sqmm	Nos	80.00	20.00	4.00	80.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00
184	4sqmm	Nos	120.00	15.00	8.00	120.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
185	6sqmm	Nos	96.00	12.00	8.00	96.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00
186	10sqmm	Nos	108.00	12.00	9.00	108.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.00
187	25 sqmm Long Barrel	Nos	330.00	15.00	22.00	330.00	0.00	0.00	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330.00

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188	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS 374/79 and also comply with IS 1709/1984 with latest amendment. Rated voltage 220 V/ 50 Hz. Rated power input 48 W +/- 10 %. Rated current As per IS 374/79. Rated power factor 0.9 lagging(min). Rated speed 350 +/- 10% RPM. Rated air delivery 210 +/- 10% Cubic Meter Minimum. Rated service value > 4.2 CMM / Watt. Three Blades of Made leaf 1.05mm thick Aluminium Alloy sheet. Class B motor insulation.Bearing Two ball bearings. Top 6202. Bottom 6201. as per IS specification. Motor wdg. Temp rise Shall not exceed 75 degC over and ambient of 40 0C by resistance method at 245Volts. Insulation resistance Shall not be less than Two Mega Ohms (2 M Ohms). Leakage current Should not exceed 210Micro Amp. Power input, watt& current , Air Delivery & Fan Speed as per IS 374:1979 with latest amendment. 2 year manufacturer Warranty 48" Sweep 5 Star (1200mm)	Nos	18786.00	6.00	3131.00	18786.00	0.00	0.00	3131.00	0.00	0.00	0.00	Kg	0.00	0.00	18786.00
189	Supplying & fixing retrofit type -PI - LED Lamp 8-9W LED linear source with CCT 6500 degree K, CRI - 70% efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 16122(Pt 1):2012, IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF - 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to beintegrated in the circuit. THD less than 20%. Life as per LM 79. The operating input voltage should be between 130 to275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under	Nos	5670.00	15.00	378.00	5670.00	30.00	18.75	378.00	7087.50	11.25	495.00	Kg	12657.00	6987.00	0.00
190	Supplying of ... feet - PVC Batten with integrated LED tube.. W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI - 80 Power Input 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED	Nos	2430.00	6.00	405.00	2430.00	0.00	0.00	405.00	0.00	0.00	0.00	0.00	0.00	0.00	2430.00
191	light fighting 1 x4 - 20/22 w----------LED light fighting 1 x4'- 20/22 w LED light fighting 2 x 4 - 20/22 w	Nos	6750.00	10.00	675.00	6750.00	0.00	0.00	675.00	0.00	0.00	0.00	0.00	0.00	0.00	6750.00
192	Supply of round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp Rib Fabricated from Die cast aluminium with white powder coated prewired to mains connector & has swiveling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI - 80 Power Input 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition LED	Nos	2482.00	2.00	1241.00	2482.00	0.00	0.00	1241.00	0.00	0.00	0.00	0.00	0.00	0.00	2482.00
193	Fixing all types and all capacities of fluorescent / false ceiling/ spot light / CFL / LED fittings indoor on the wall / ceiling /rafters / girders using 23/0.0076" twin twisted PVC insulatedwires, required Nos of round blocks and clamps	Nos	5950.00	50.00	119.00	5950.00	0.00	0.00	119.00	0.00	0.00	0.00	0.00	0.00	0.00	5950.00
194	Fixing a ceiling / wall mounting fan of all capacities and all types, with necessary clamps and 'S' hook made out of 15mm dia MS rod, with 5 amps. ceiling rose of approved quality with necessary length of 23 / 0.0076 mcb PVC insulated twin twisted wire of approved quality,	Nos	6720.00	24.00	280.00	6720.00	0.00	0.00	280.00	0.00	0.00	0.00	0.00	0.00	0.00	6720.00
195	Extra length of GI pipe of class B 19mm dia for down rod.	Nos	2595.00	15.00	173.00	2595.00	0.00	0.00	173.00	0.00	0.00	0.00	0.00	0.00	0.00	2595.00
196	KSRB 13-11 Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet outlet and over flow pipes including cost of all materials, labour transpon charges HOM	Nos	15920.00	2.00	7960.00	15920.00	0.00	0.00	7960.00	0.00	0.00	0.00	0.00	0.00	0.00	15920.00
	E.01															
197	Providing Brick work with common burnt clay machine moulded perforated bricks of class designation 5.0 conforming to IS 2222 in superstructure above plinth level in cement mortar 1:6 (1 cement :6 coarse sand) With Non modular bricks including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work	cum			139.72		139.72	10392.32	1451974.69	0.00	0.00	0.00	1451975.00	1451975.00	0.00

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	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and supported together at the end by end locks mounted on specially designed M.S. shaft with brackets, side guides and arrangements for inside mounted type complete with push and pull operation complete, including the cost of providing and fixing necessary 2.5 mts long wire springs manufactured from high tensile M.S. steel wire of adequate strength conforming to IS: 4454 - Part and M.S. top cover of required thickness for rolling shutters 80x1.25 mm M.S. laths with 1.25mm thick top cover including cost of all extra labour, cutting charges of machines complete as per specifications and as per directions									
	Sub Total									
	Tender Premium & Miscellaneous		6401564.72							
	TOTAL		6401564.72	6401565.00	165.00	165.00	2924.99	482617.28	0.00	0.00	0.00	482618.00	482618.00	0.00
								4552950.22			1844727.09	6397694.00		
												6397694.00	4142856.88	4146727.60

Contractor Quoted the Rates +7.90% Above the S R Rates of 2018-19.

1) Estimated amount		7100000.00
2) Tendered Amount		6403055.00
3) Actual amount As per Modified Estimate (Work Slip / EIRL)		6397694.00
4) Workslip % = Excess Amount(Expect EIRL Excess Amount) / Tender Amount *100		34.49%
4)% of EIRL = EIRL Amount / Tender Amount *100		30.21%
Savings		5361.00

Since the overall expenditure is lesser then estimated amount. The Work slip & EIRL may please be approved

Assistant Engineer
Ward No 17

ASSISTANT EXECUTIVE ENGINEER
RR Nagar Division
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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

EXECUTIVE ENGINEER
RR Nagar Division

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